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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT Application of)

Peter N. HELLER et al.) Art Unit: 2151

Serial No. 09/862,492) Examiner: Unassigned

Filed: May 23, 2001)

For: A MULTIMODE MULTICARRIER MODEM)

SYSTEM AND METHOD OF COMMUNICATION)

OVER THE SAME)

INFORMATION DISCLOSURE STATEMENT

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MAY 28 2002

Technology Center 2100

Commissioner for Patents and Trademarks

Washington, D.C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, it is requested that the references listed on the attached Form PTO-1449 be made of record in the above-identified application.

The references listed on the attached Form PTO-1449 were cited in an International Search Report of a counterpart PCT application, namely PCT/US01/16540, on February 26, 2002. Copies of the references are submitted herewith in accordance with 37 C.F.R. 1.98(a), along with a copy of the Search Report.

The documents are being submitted within three (3) months of the filing of this application or entry into the national stage of this application, or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

-2-

The Commissioner is hereby authorized to charge fees under 37 C.F.R. §§1.16, 1.17, 1.20(a), 1.20(b), 1.20(c), and 1.20(d) (except the Issue Fee) which may be required now or hereafter, or credit any overpayment to Deposit Account No. 19-2380 (081513-61).

Respectfully submitted,



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Please type a plus sign (+) inside this box → [+]

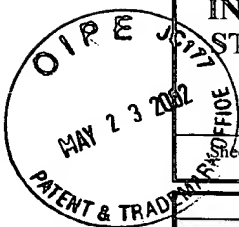
PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	
				09/862,492	
				Filing Date	
				May 23, 2001	
				First Named Inventor	
				Peter N. HELLER et al.	
				Group Art Unit	
				2151	
				Examiner Name	
				Unassigned	
				Attorney Docket Number	
				081513-61	
Sheet	1	of	1		



U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages, Figures, etc.
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		EP	0 806 852	A2	TIMM, W.C et al.	11-12-1997		
		PCT	WO 00/01136		COLE, T.L. et al.	01-06-2000		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		International Search Report, Application No. PCT/US 01/16540, Mailing Date: February 26, 2002	
		Adriaensen K. et al., "Single Chip DMT-Modem Transceiver for ADSL", pp. 123-126, Alcatel Telecom (Microelectronics Department)	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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